

FIG. 1

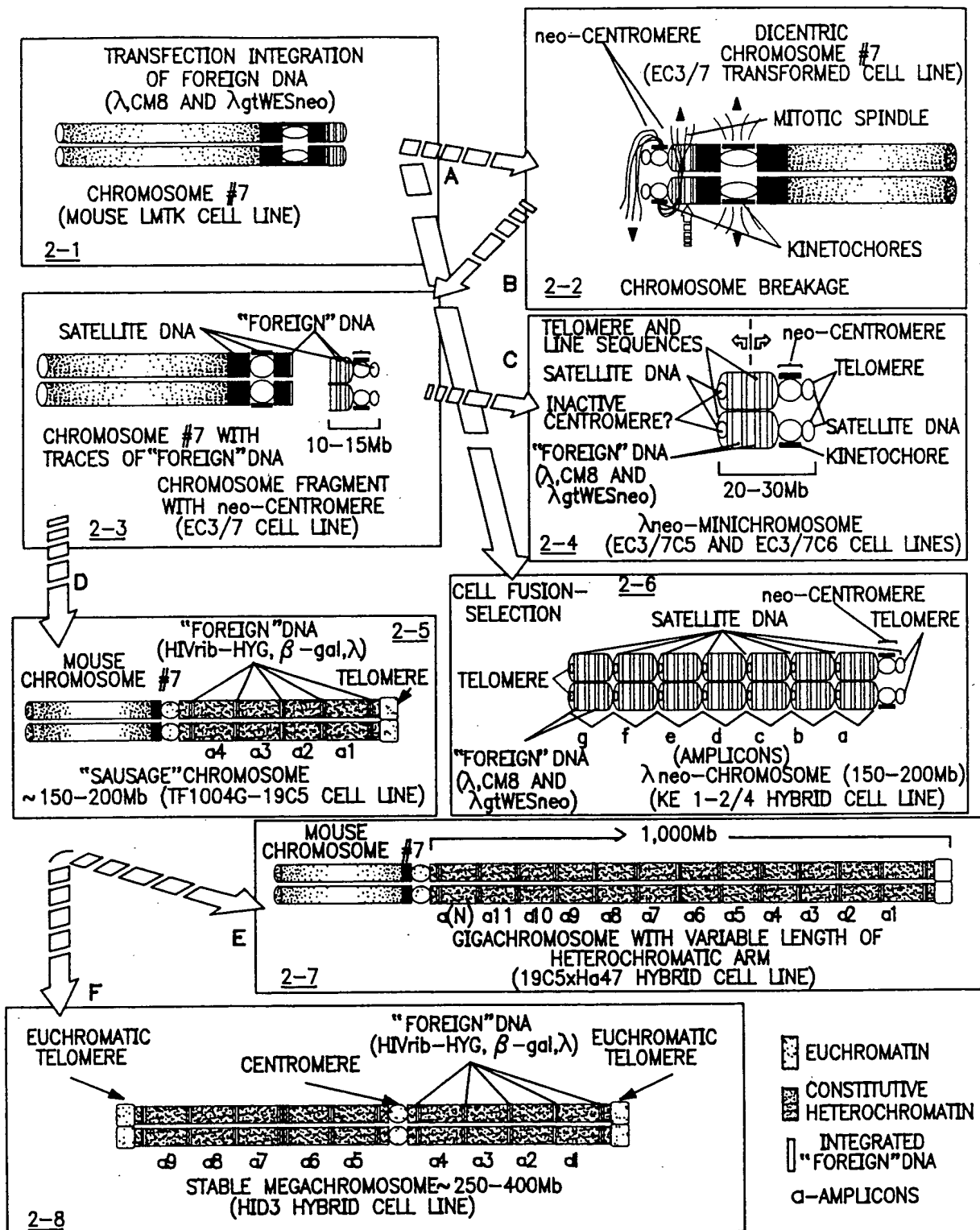


FIG. 2

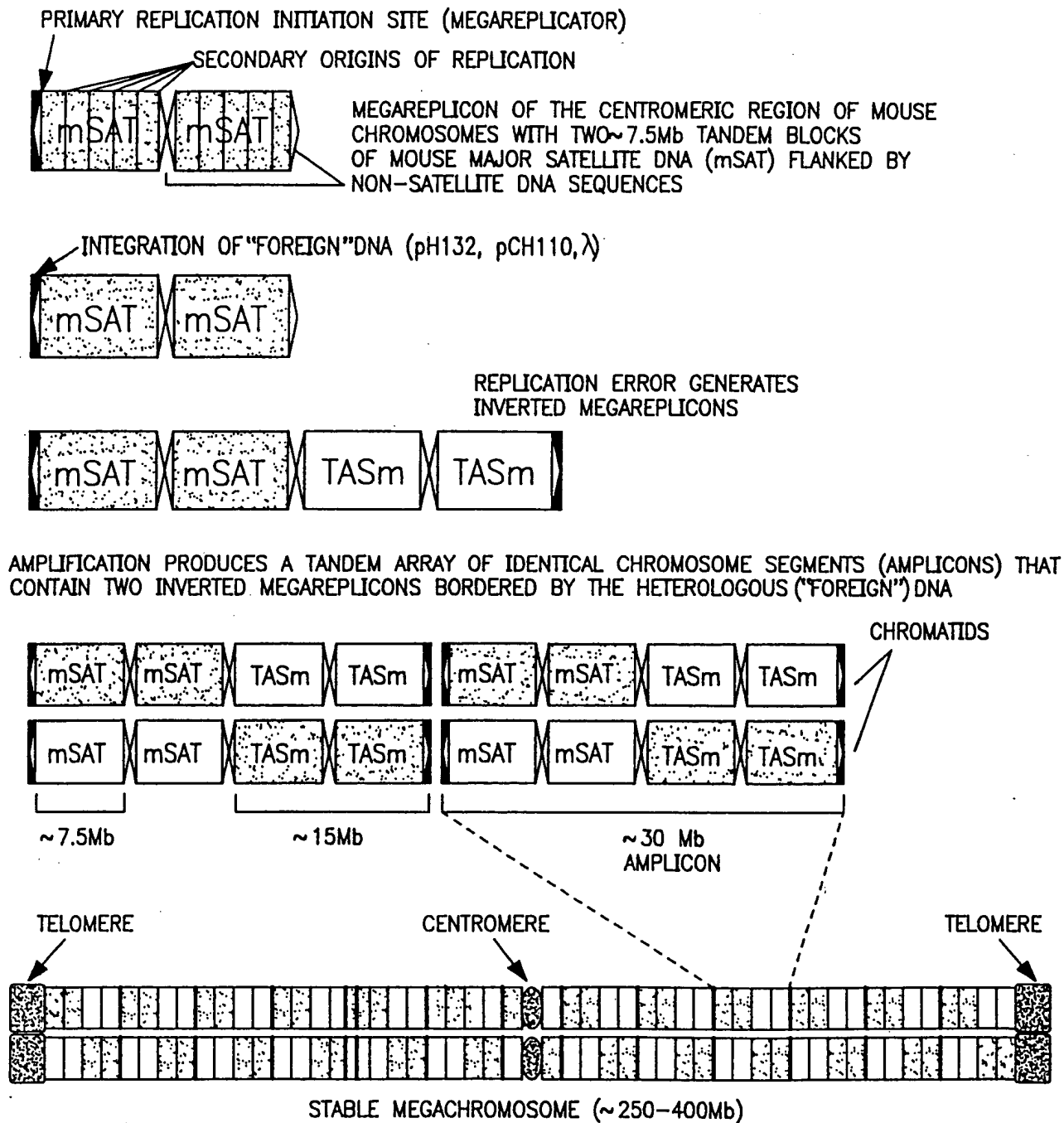


FIG. 3

EC3/7 MOUSE LMTK FIBROBLAST CELL LINE WITH *neo*-CENTROMERE  
(HADLACZKY ET AL. PROC. NATL. ACAD. SCI. USA, 88:  
8106-8110, 1991)



DEPOSITED IN THE EUROPEAN COLLECTION OF ANIMAL CELL CULTURE  
(ECACC) ACCESSION NUMBER 9005 1001

SINGLE-CELL SUBCLONING

EC3/7CSMOUSE LMTK FIBROBLAST CELL LINES WITH *neo*-MINICHROMOSOME  
(HADLACZKY ET AL. PROC. NATL. ACAD. SCI. USA, 88:  
8106-8110, 1991)



COTRANSFECTION WITH PLASMIDS pH132 (HIVRIBOZYME,  
HYGROMYCIN RESISTANCE) pCH110 ( $\beta$ -GALACTOSIDASE), AND  
LAMBDA PHAGE ( $\lambda$ C1 875 SAM7) DNA, SELECTION  
WITH HYGROMYCIN B.

TF1004G-19C5\* - MOUSE LMTK FIBROBLAST CELL LINES WITH  
*neo*-MINICHROMOSOME, AND STABLE "SAUSAGE" CHROMOSOME



FUSION WITH CHINESE HAMSTER (CHO K20) CELL LINE,  
SELECTION WITH HYGROMYCIN B AND HAT.

19C5xHa4 - MOUSE-HAMSTER HYBRID CELL LINE CARRYING THE  
*neo*-MINICHROMOSOME AND THE "SAUSAGE" CHROMOSOME,  
CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL MOUSE  
GENOME.



BrdU TREATMENT, SINGLE CELL CLONING, SELECTION:  
G418 (NEOMYCIN) OR HYGROMYCIN, OR BOTH

G3DS\* - MOUSE-HAMSTER HYBRID CELL LINE CARRYING THE  
*neo*-MINICHROMOSOME AND THE MEGACHROMOSOME,  
CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL  
MOUSE GENOME.



H1D3\* - MOUSE-HAMSTER HYBRID CELL LINE CARRYING  
NO *neo*-MINICHROMOSOME BUT THE MEGACHROMOSOME, IS  
PRESENT, CONTAINING COMPLETE HAMSTER GENOME AND PARTIAL  
MOUSE GENOME.



FUSION WITH CD4+ HeLa CELL LINE CARRYING THE  
CD4 AND NEOMYCIN RESISTANCE GENE PLASMID CONSTRUCT  
(CD4neo), SELECTION WITH G418 AND HYGROMYCIN B

H1xHe41\* - MOUSE-HAMSTER-HUMAN HYBRID CELL LINE CARRYING THE  
MEGACHROMOSOME PRESENT, CONTAINING COMPLETE HAMSTER  
GENOME, AND PARTIAL MOUSE GENOME, AND A SINGLE HUMAN  
CHROMOSOME WITH INTEGRATED CD4neo CONSTRUCT (UNPUBLISHED).



REPEATED BrdU TREATMENT, SINGLE-CELL CLONING

1B3 - SAME AS H1xHe41, BUT APPROXIMATELY 25% OF THE CELLS  
ARE CARRYING A TRUNCATED MEGACHROMOSOME

Figure 4

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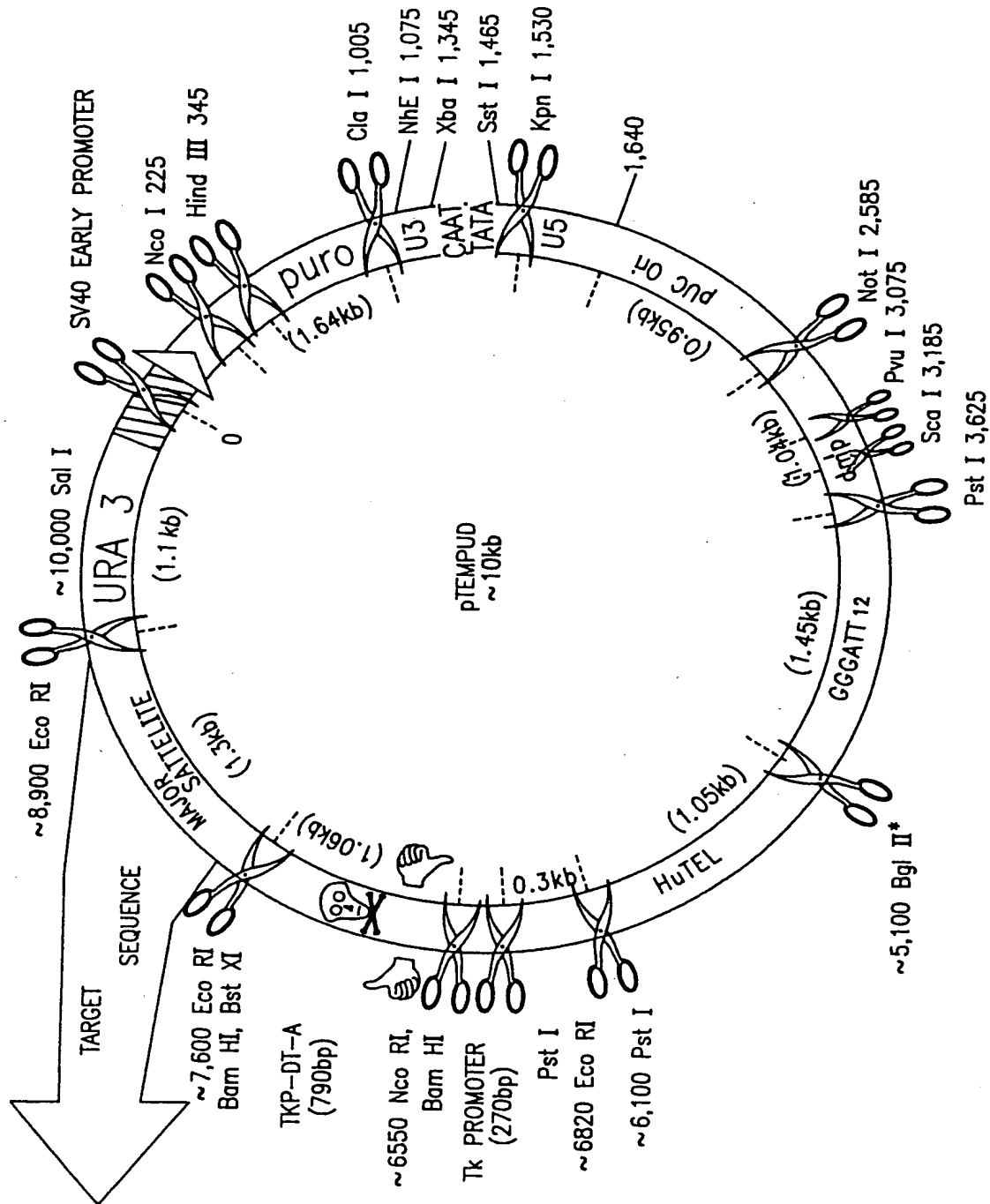


FIG. 5